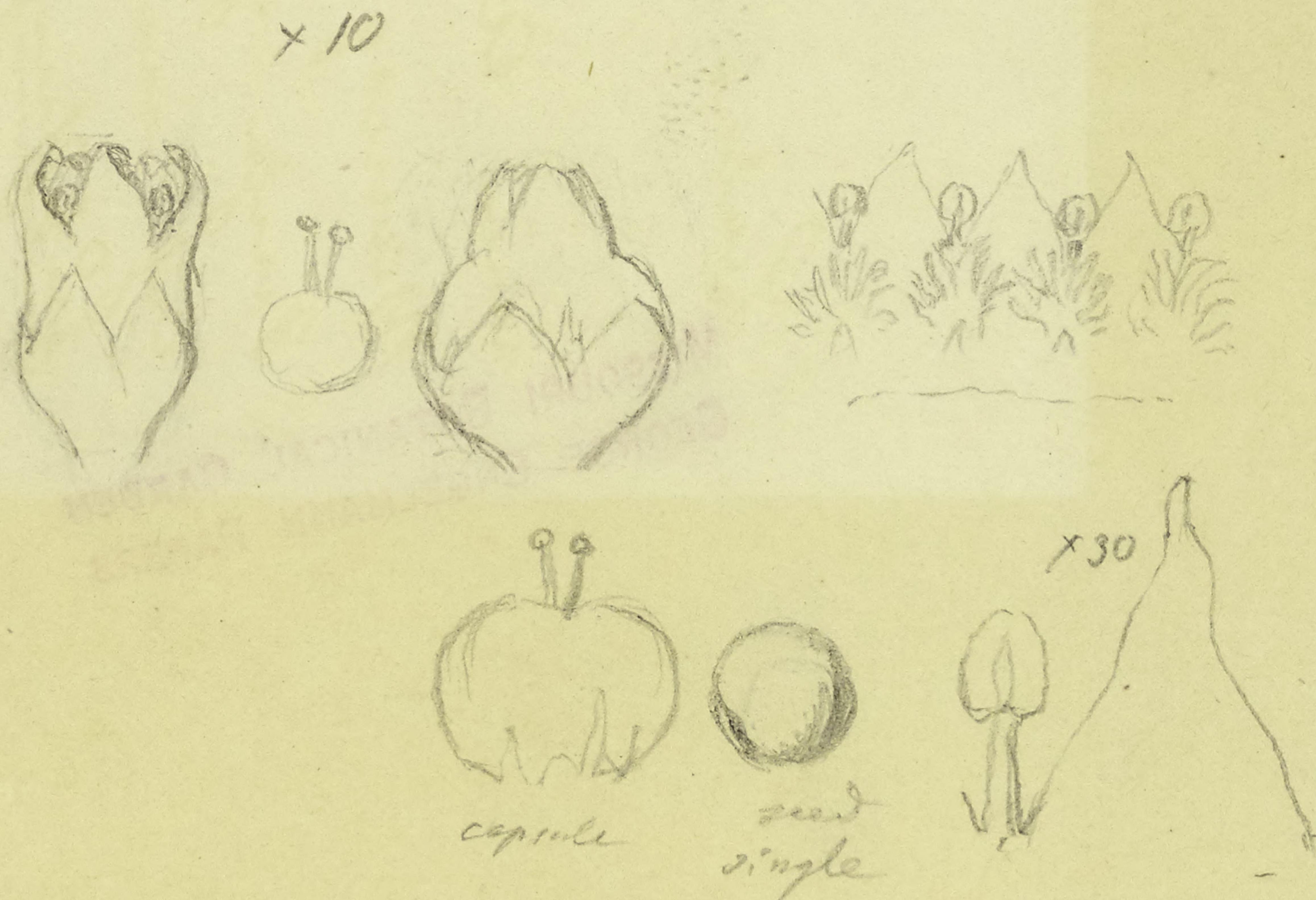


# GEORGE ENGELMANN BOTANICAL NOTEBOOKS

*Pagination Note:  
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

*Casson's Potosina* Schaffner in Herb. Jan 12 1883  
Flowers 1 line long *Gaura x atro*, new sp. J.G. Schaffner 1876



closely allied to *C. avunis*  
capsule oblong, but tearing from base, very thin  
scales large, but short, only from middle of tube to face.  
anthers obovular.



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSOURI  
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4563

# Leitch & Corlies

(DRUGGISTS)

Fifth Market  
Corner South West  
and Streets.

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0 1 2 3 4 5 6 7 8 9 10

cm

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Cassata Potosina n. sp Schaffner in herb.

stems capillary, flowers minute (scarcely 1 mm long) short pedicellate or subsessile, in small rather loose glomerules. lobes of calyx triangular acute, scarcely as long as the cylindric tube of the corolla, thick, is rather longer than its crest, ovate, acute and somewhat reflexed lobes of and at last connect lobes of stems ~~are~~ shorter than corolla suboblique authority nearly equal to the flanks, subterminal scales almost exceeding the tube. (Broad, deeply fringed)

(ovary depressed globose, style nearly as long as the capsule covered by the narrow corolla very thin tearing off its base but not circumscissile, seed style

Near San Luis Potosi J. G. Schaffner on ... 1876  
Near San Luis Potosi J. G. Schaffner on ... 1876  
One of the smallest species, closely allied to C.  
among for which it is probably distinguished by  
especially deeply fringed, seed  
the thin one-seeded capsule cover'd by the hood-like corolla



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cm

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St. Louis Jan. 4<sup>th</sup> Feb. /79.

Leider Oskar.

Ich schreibe dir hier  
mein Abgriff meines Autorsort aus  
Meinigantz. Der du mir die  
Zeige ganz ehrlich sagst. Leider  
ist mir sehr leicht zu tun bitte ab-  
züppflingen. Wenn das gute Werk  
wurde mir und mich ein <sup>bei</sup> Mandu, zu  
bezogen. Leider ist ihm nicht  
mein Leiter gewünscht. Ich bin fast  
überzeugt daß es auch du ihm jetzt  
auskommt, und deshalb wieder  
wollen. Es geht mir aber in  
meiner Revolution nicht. Das

die "Species tax bills" sind  
mir Leiter weniger als andere  
und Mandu ist Leiter überall mit  
Aber er war bei mir sehr gut.

Beispielweise daß ich mich  
selbst bei dem vorgefreut, kann  
aber Leiter wirklich nicht.

Dein

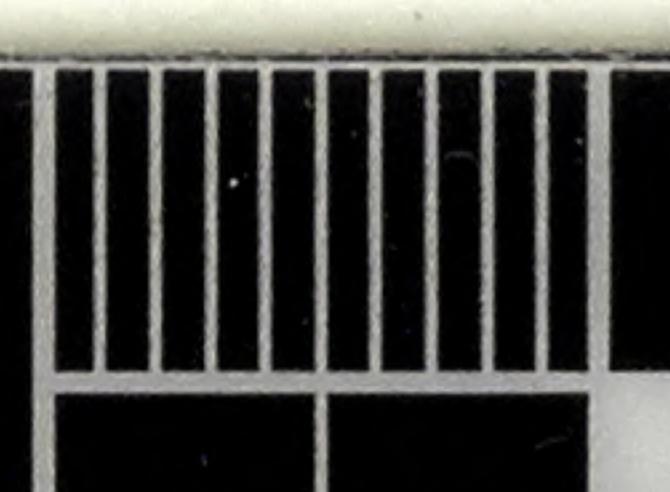
E.G.

4564

MISSOURI BOTANICAL GARDEN  
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8/7150  
20/52

921  
7/7 8/69  
20/52 4/18



0  
cm

1

2

3

4

5

6

7

8

9

10

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Graminea

I. Calyx gamosporalous

A Capsula circum orissa

a. Brachystylae, stylis brevioribus plenariae et basi  
crassa subulatis.

S. I. Obtusilobae

\* esquamatae, floribus magnis  
planis laxis longe pedicellatis.

C. grandiflora Hook!

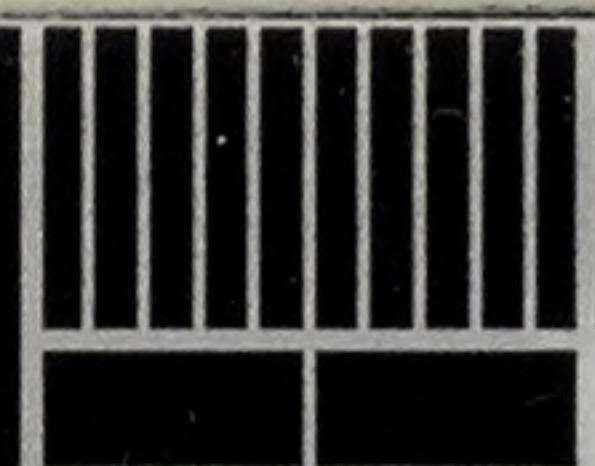
Prov. Granada, Humboldt, in Hb. n. g. Berlin  
Santa Fe di Bogota, N. Granada, Goudot, in Hb. Mus. Paris  
Loreto, Bolivia, Weddell N<sup>o</sup> 4518 .....

Agro, Peru, Weddell N<sup>o</sup> 4768 .....

Peru, Claude Gay in Hb. Mus. Paris .....

Peru in vallis Cordillera, Haenke in Hb. Mus. Bohem.

New Granada, Paroda in Herb Hook  
Chili, Edmonstone in Hb. Hook



0 1 2 3 4 5 6 7 8 9 10  
cm

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G. Grinn

4565

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C. grandiflora Willd Cet = C. reflexa var



0 1 2 3 4 5 6 7 8 9 10  
cm

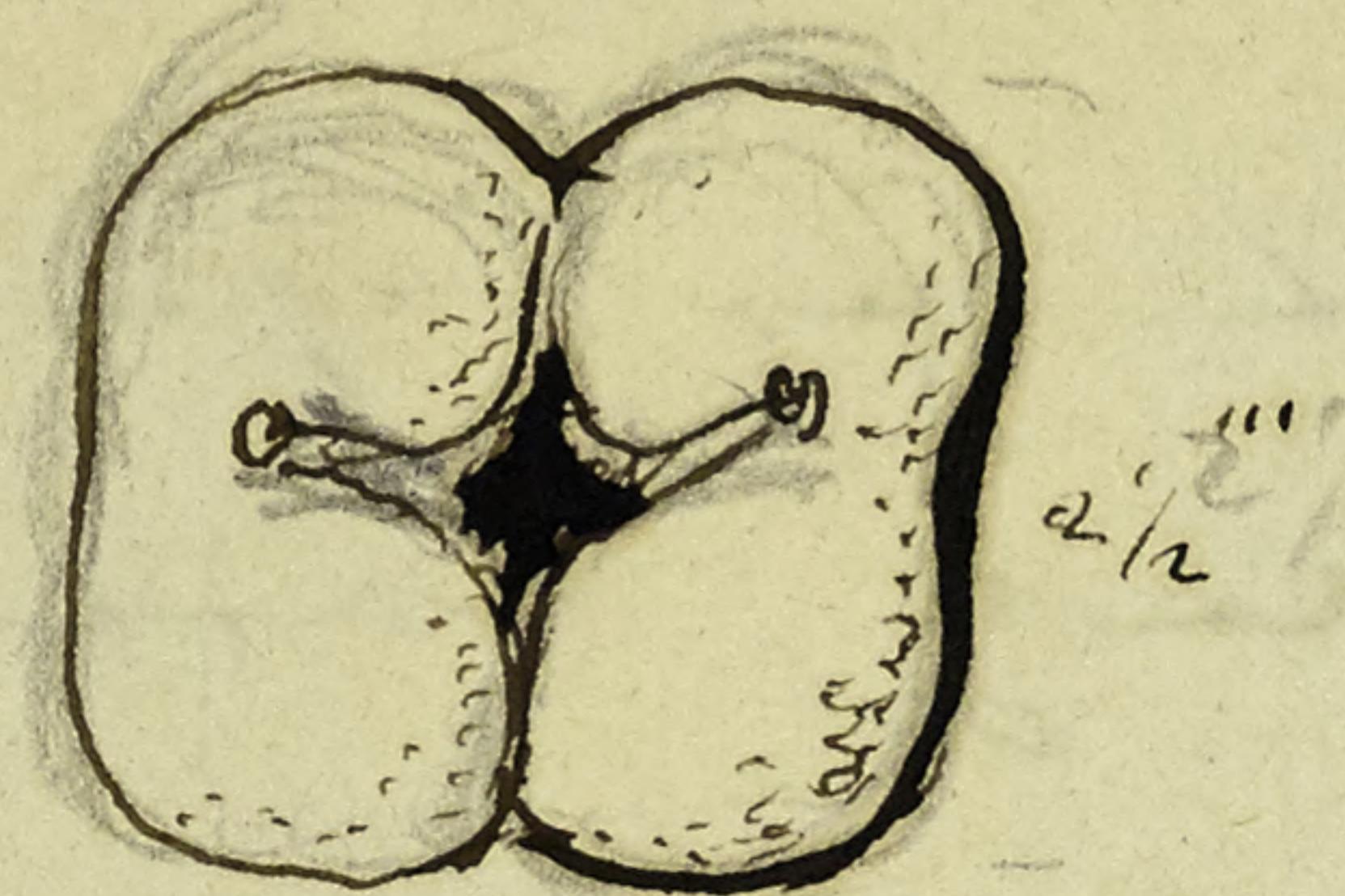
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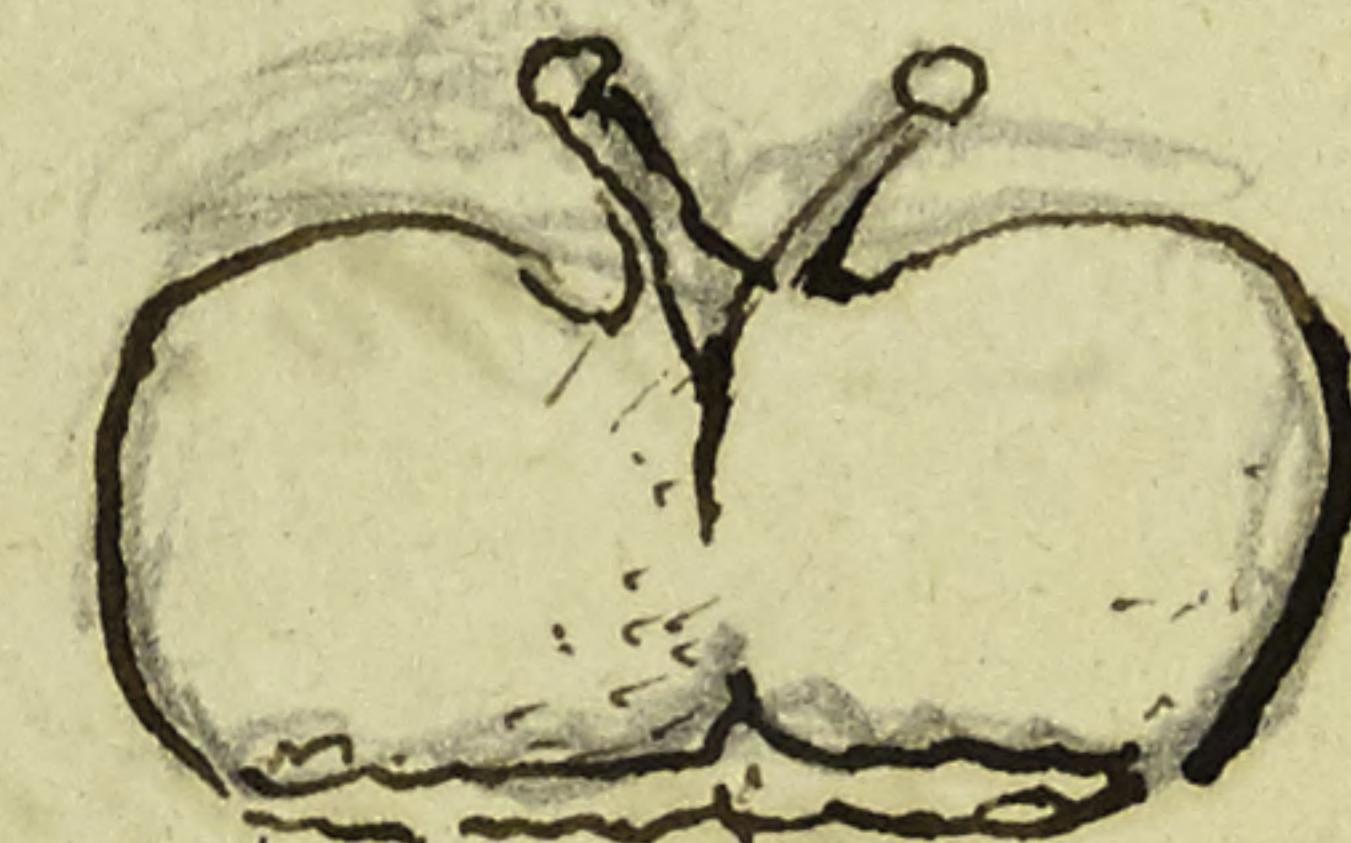
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2

R.S.



capsule



fl. 4-5 long

diameter

when fully open

at least 3 times as long as the tube

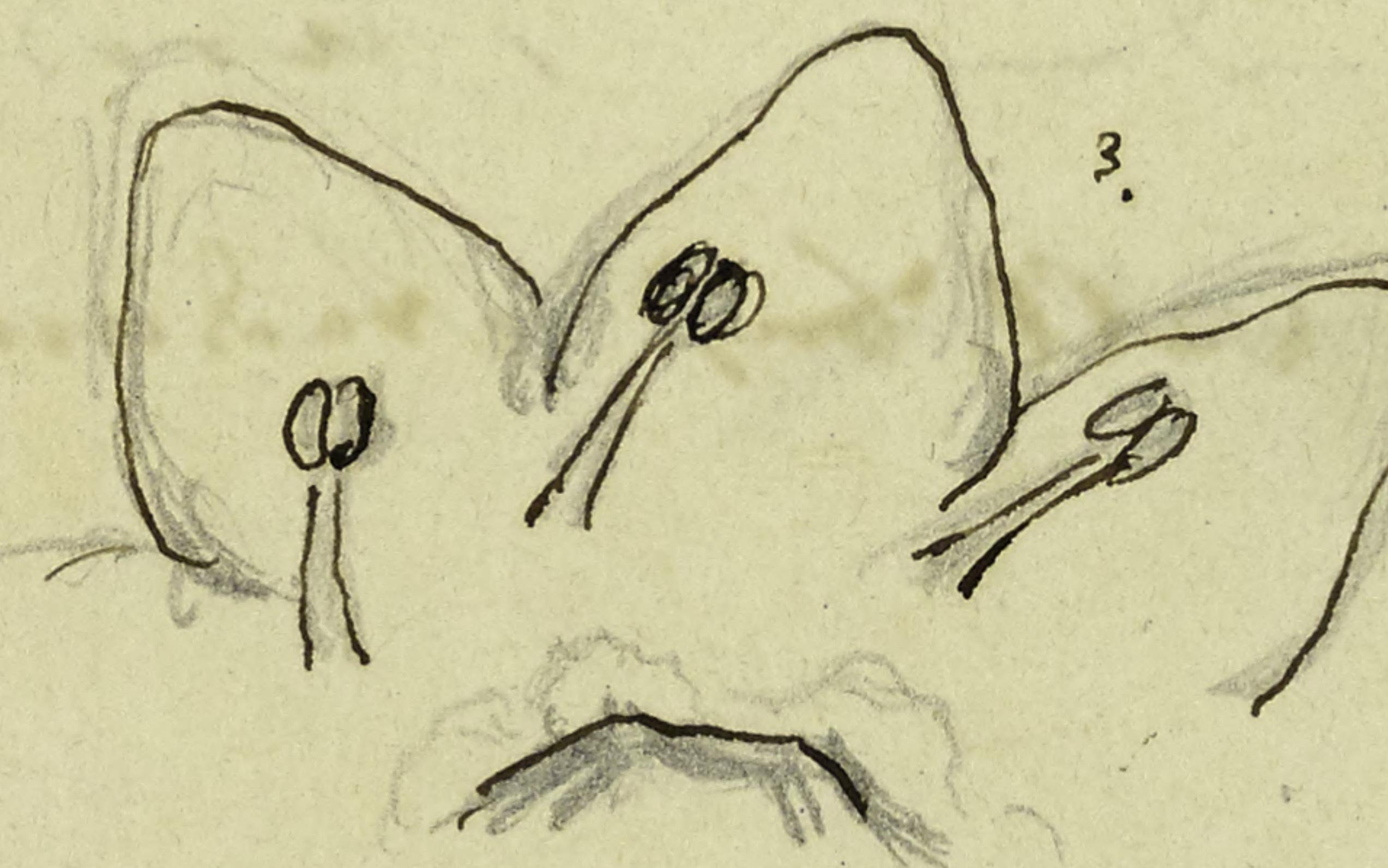
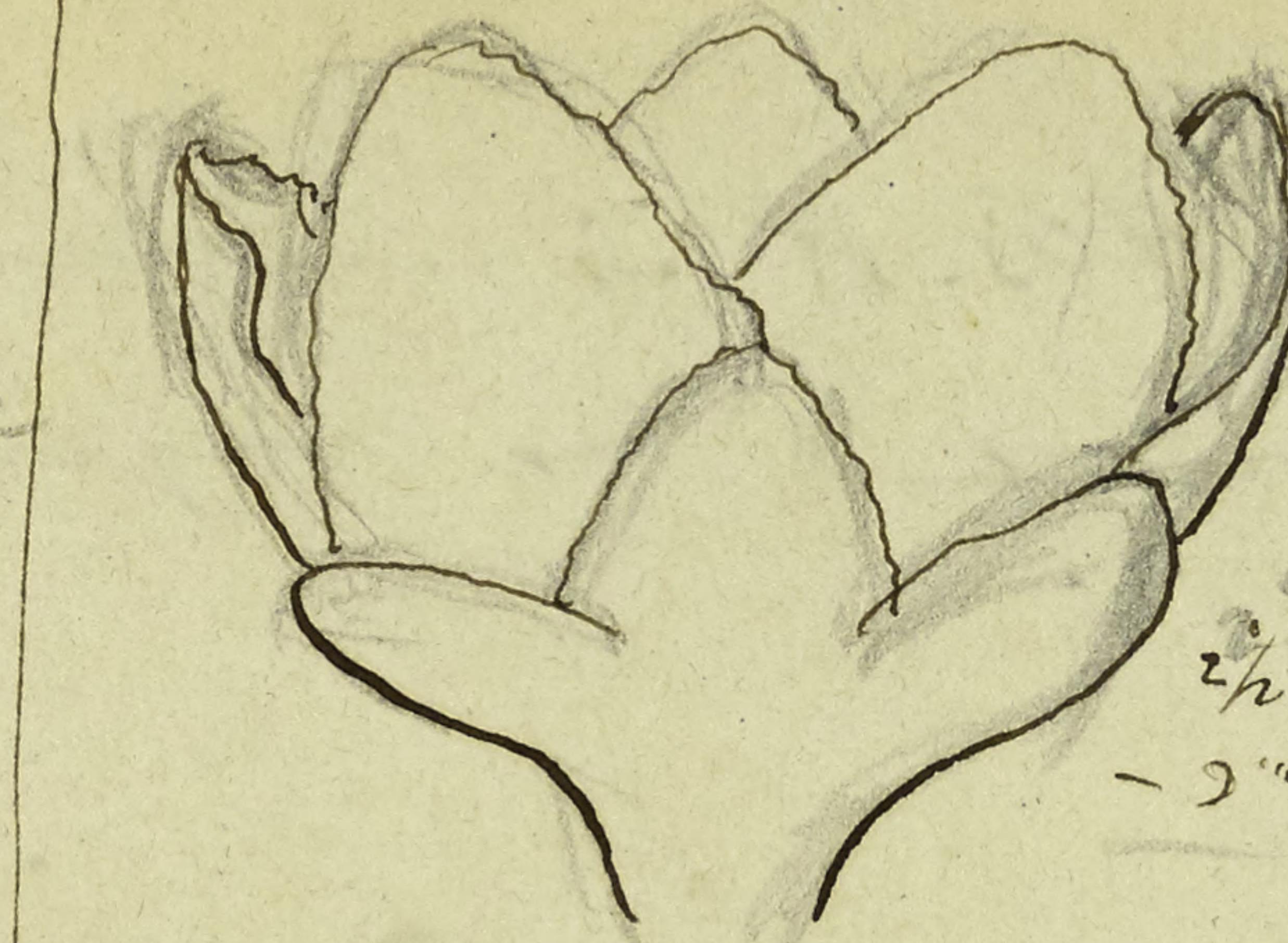
filament inserted at the division of the overlapping lobes, which are twice as long as tube.

3.

2. *Cavaria grandiflora* Kth.

Nov. Granada

Humboldt

3. Bogota, Jundt  
in Herb. Paris

filament inserted below  
the division, lobes  
equal to tube

0  
cm

1 2 3 4 5 6 7 8 9 10

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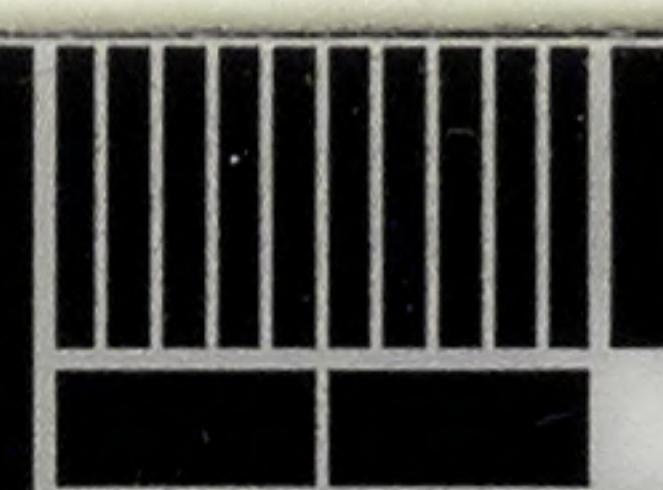
4566

The figure in H.B. K. is incorrect as regards the inflorescence  
it is then represented as regularly racemose.

New Ground Pandie in H. Hook.

Pene in *adaltibuz* stadium - 146 Mrs Boheen

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0 1 2 3 4 5 6 7 8 9 10  
cm

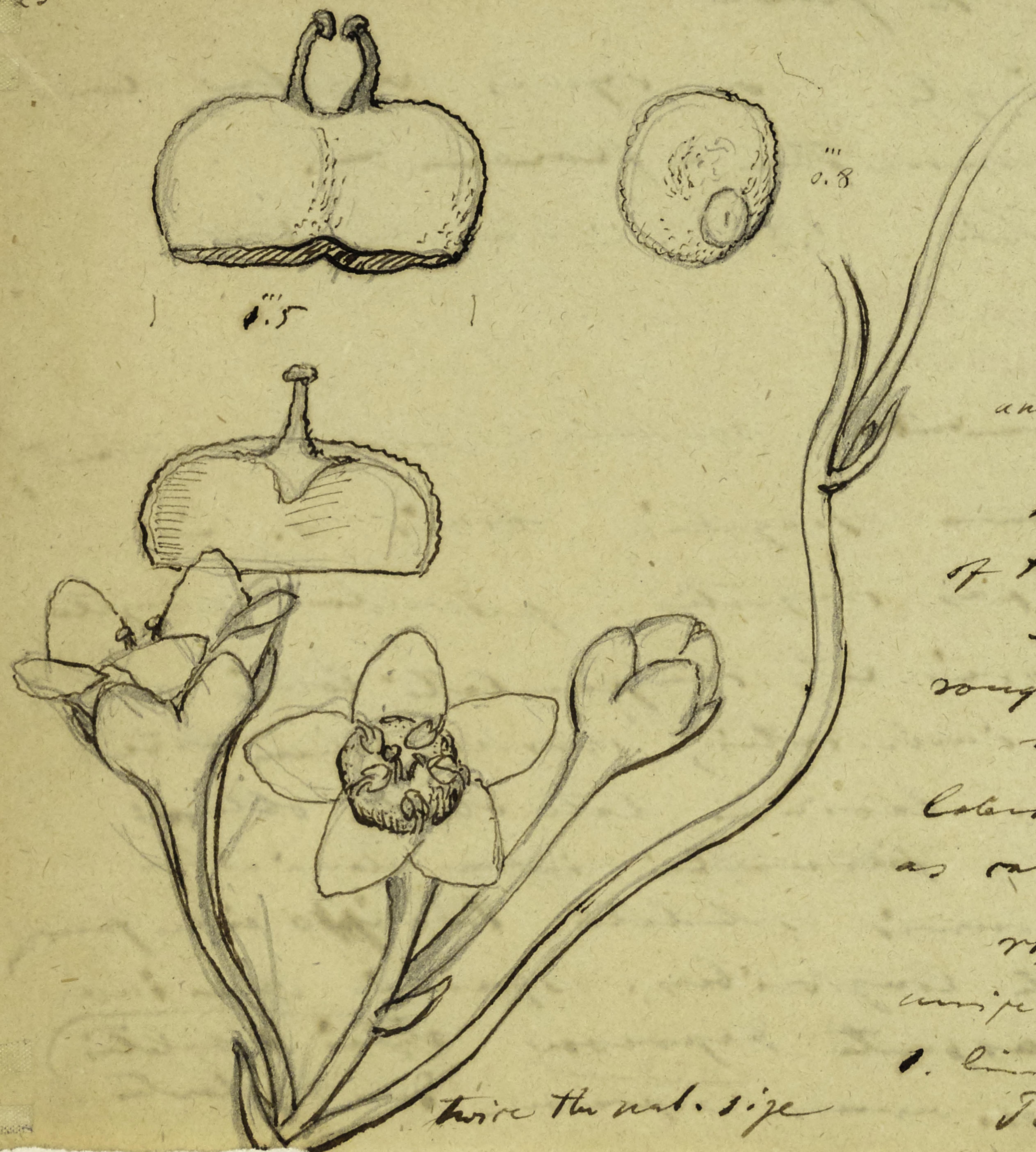
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3.6.  
230

Paris June 1857



*Grammica grandiflora*

above Sorata, Province of  
Potosí, Bolivia

7000-9000 feet high - April 1847

H. Alg. Weddell. N. 4518

and 4768. Humid valleys of Urubamba, near  
Cuzco, Peru, Aug. 1847

This is not different from the Bogotá plant  
of Humboldt & Bonpland.

Styles as well as capsule  
rough-papillose.

Stamina inserted below the apex  
lobes of corolla finely ciliate, as well  
as anthers; both overlapping, or imbricated.

Ripe seed not more than 0.8 cm long  
unripe seed as always larger, fully  
1.1 cm long;

Pedicels elevated, much thickened



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cm

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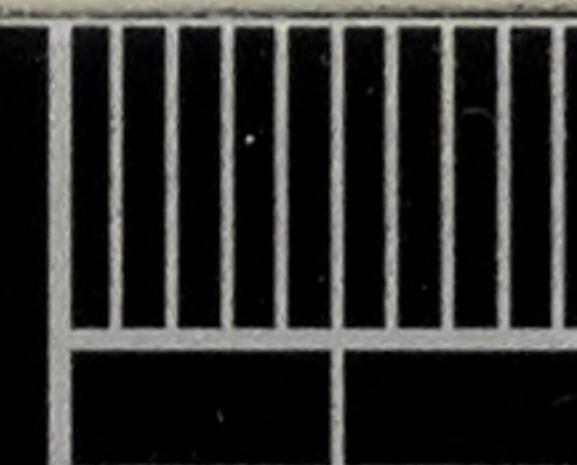
at apex as long or longer than the flower -

flowers sometimes single; or occurs very few flowers  
in these species rarely more than 2 flowered.

Capsule small - propertii, 1.5 l. - diameter low.

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*Convolvulus filiformis*, alle scandens, squamis lanceolatis instructus;  
flores in axillis squamu singulis, brachis s. in  
cymulis panicifloras laxas compitis; pedicello elongato  
clavato - inornato, only vis late ovaee angustatis lobis ovatis  
ovatatis obtusis basi imbricatis, corolla tubae late  
circulariter aequalibus, loculis late ovaee obtusis  
obtuso - ovalatis petulis; filamentis infra staminibus  
tubae brevioribus plantis juuvis subtilis tubo ipso infra pecten  
imbricatis, anthers constricto - recte longioribus; spermis unus in  
nullis. (ovaria venosa, asperata depresso stylis subtilis  
longioribus, corolla ad basin caps. venosa depresso depresso  
depresso marcescens;



0 1 2 3 4 5 6 7 8 9 10

cm

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Casent. p 497

II *Grammica*

5 *Eugrammica*

~~A.~~ *subulatae*

sp. 19-24

(Enclosed 212-244)



0 1 2 3 4 5 6 7 8 9 10  
cm

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GARDEN

Green - Brown - Dotted leaves cover



0 1 2 3 4 5 6 7 8 9 10  
cm

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0 1 2 3 4 5 6 7 8 9 10  
cm

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GARDEN

4568

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cm

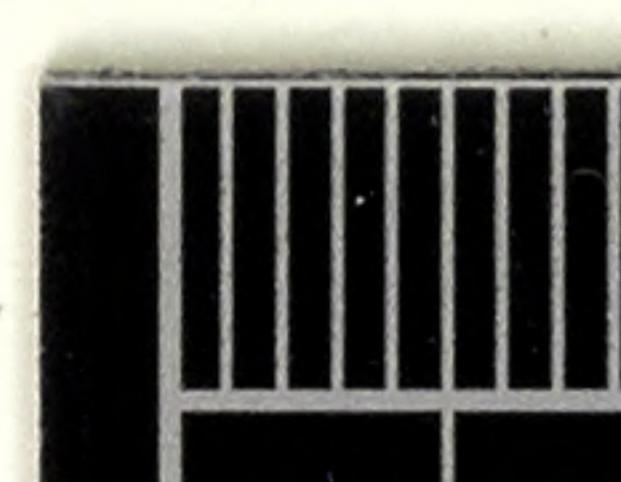
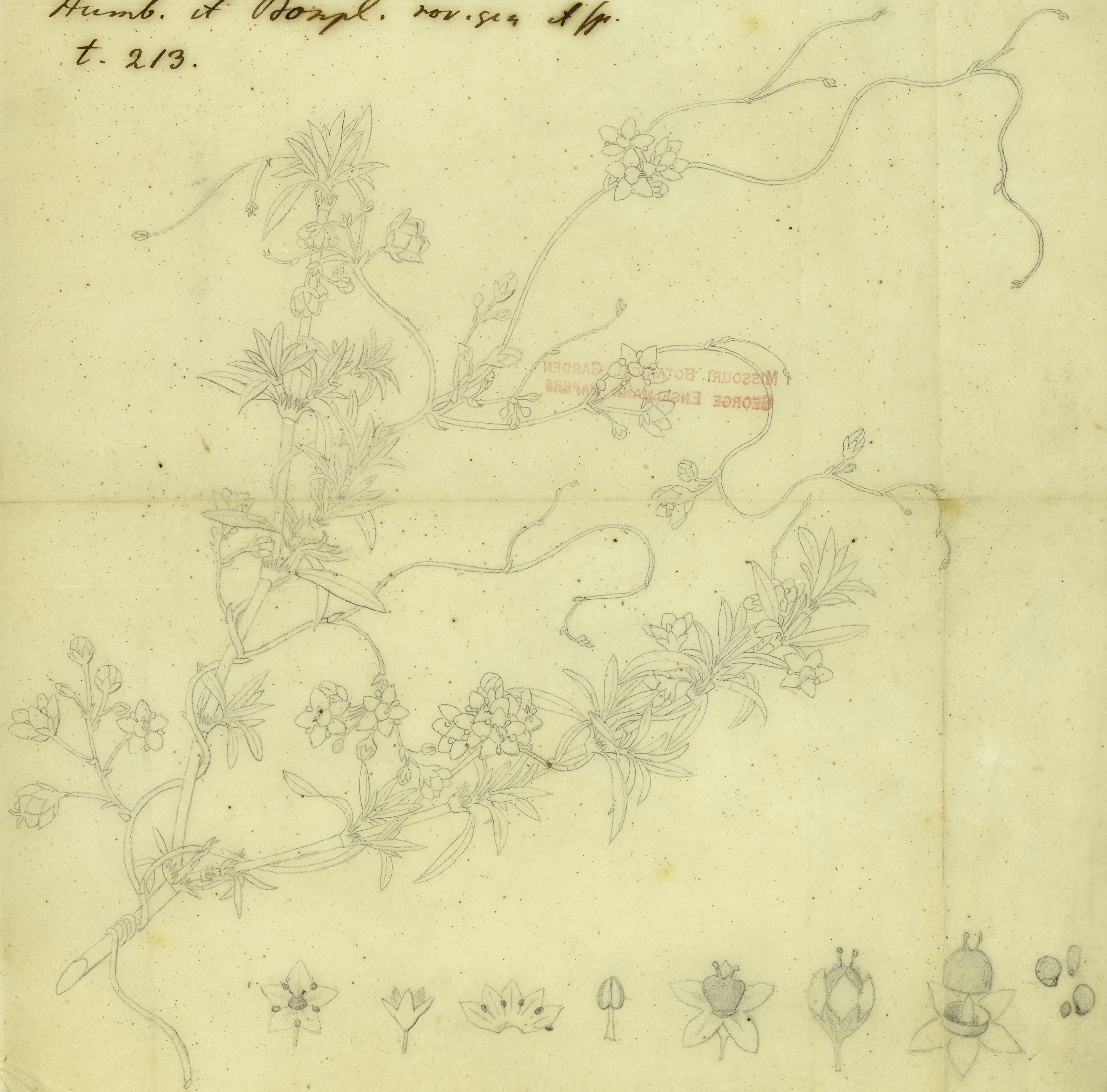
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P224

*Cuscuta grandiflora*  
Humb. et Bonpl. nov. gen. et sp.  
t. 213.



0  
cm

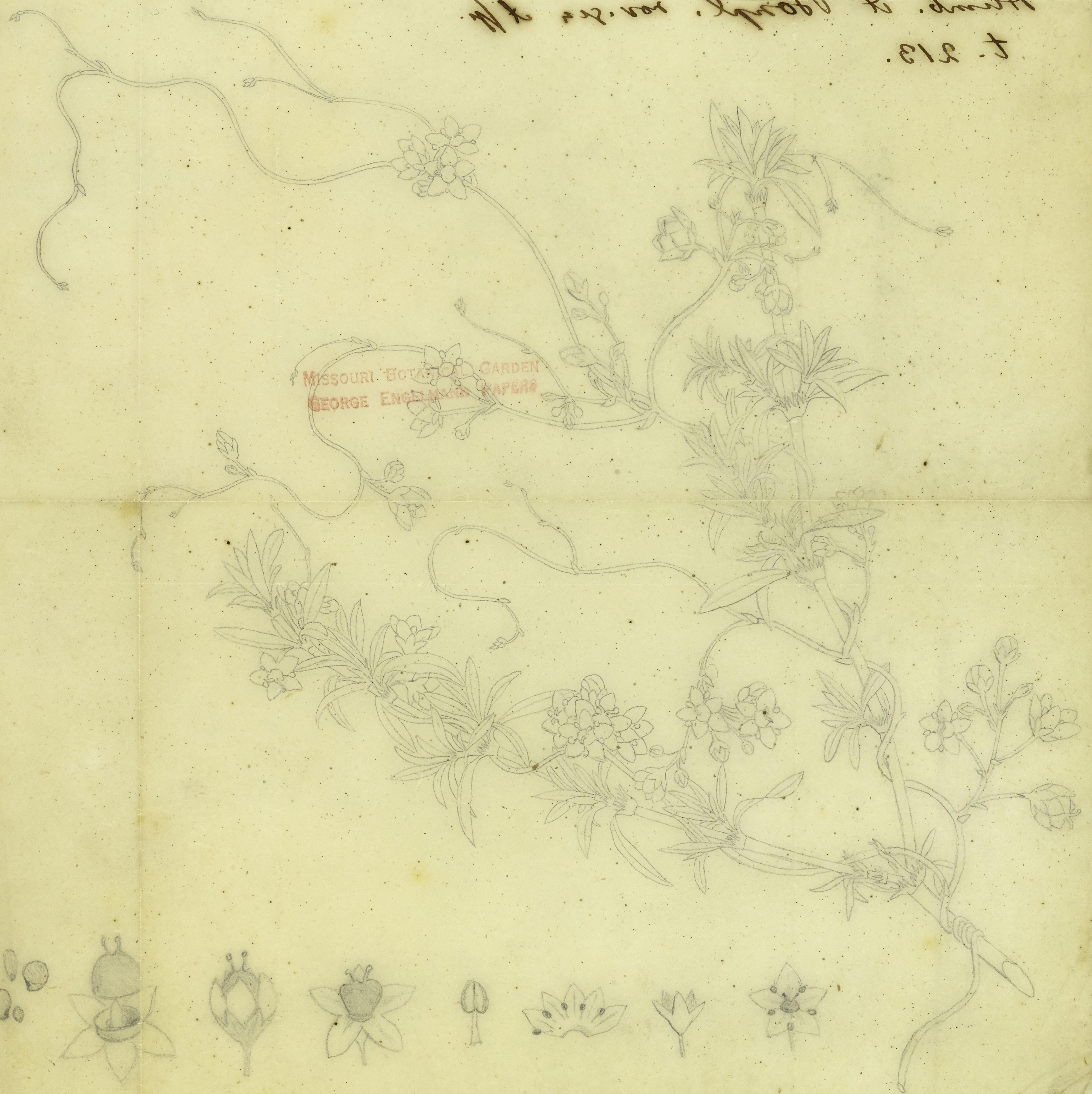
1 2 3 4 5 6 7 8 9 10

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GARDEN

4569



0 1 2 3 4 5 6 7 8 9 10  
cm

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CUSCUTA UMBELLATA, HBK. At Laredo on the Rio Grande (916).

CUSCUTA SQUAMATA, Engelm. At San Lorenzo de Laguna, Coahuila (917, 2098).

CUSCUTA ARVENTIS, Beyr. At Parras, Coahuila (919). Also var. VERRUCOSA, Engelm., at San Luis Potosi (780 Schaffner).

CUSCUTA POTOSINA, Schaffner Ms. Stems capillary: the flowers minute (scarcely a line long), short-pedicelled in small rather loose clusters: calyx-lobes triangular, acute, scarcely equalling the deeply campanulate corolla-tube, which is rather longer than its erect ovate acute somewhat inflexed and at last connivent lobes: stamens short, the subglobose anthers nearly as long as the filaments; scales broad, deeply fringed, slightly exceeding the tube: capillary styles nearly as long as the depressed ovary: capsule covered by the marcescent corolla, extremely thin, easily tearing off from its base but not circumscissile, 1-seeded.—One of the smallest-flowered species, closely allied to *C. arvensis*, from which the very fragile 1-seeded capsule, covered by the hood-like corolla, principally distinguishes it. (Dr. G. Engelmann.)—Near San Luis Potosi (779 Schaffner); growing on some labiate, probably a *Scutellaria*.\*

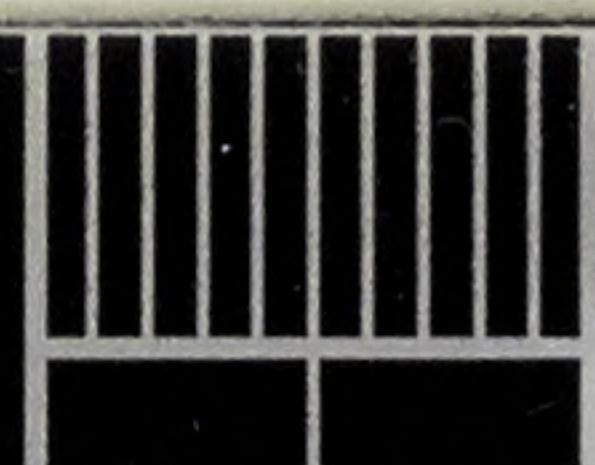
CUSCUTA DECORA, Chois. At Bluffton, Texas (2097).

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\* Dr. Engelmann furnishes the following description of another new species, which was distributed in the previous Parry & Palmer collection:—

C. MITRAEFORMIS, Engelm. Stems thick: flowers short-pedicelled, crowded in large glomerules: calyx-lobes orbicular, unequal, the outer carinate, fully as long as the short-campanulate corolla-tube; lobes of the corolla as long as the tube, broadly oval, rounded, at last spreading or reflexed: subulate filaments as long as the linear-oblong anthers; scales very broad, deeply fringed, exsert, incurved: ovary with very short subulate styles: capsule large, exsert, 2-horned with the broad spreading conical styles, regularly circumscissile.—Between San Luis Potosi and Tampico, in May; Dr. E. Palmer. Flowers 3 lines and capsule 4 lines long; clusters in fruit 10 to 12 lines thick. Nearly allied to *C. Xalapensis*, but distinguished by its much larger flowers and fruit, and by its short thick almost conical styles.

List of Plants from SW Texas & North Mexico  
coll. by E. Palmer in 1879-80. by Louis Wilson  
in Proceedings of the Amer. Acad. of Sci.  
Aug. 1883



0 1 2 3 4 5 6 7 8 9 10  
cm

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*IPOMŒA COCCINEA*, Linn., var. *HEDERIFOLIA*, Gray. At San Luis Potosi (622 Schaffner); 625 Parry & Palmer.

4570

*IPOMŒA VERSICOLOR*, Meissn. At San Luis Potosi (111 Schaffner), and Guanajuato (Dugès), where it is known as "Palmira."

*IPOMŒA LLAVEANA*, Meissn. At Guanajuato (Dugès); "Trompetilla."

*IPOMŒA SCHAFFNERI*. Annual, twining, 3 to 5 feet high, sparingly pubescent with short strigose hairs: leaves thick, round-cordate, with rounded or slightly angled approximate basal auricles, acute, coarsely sinuate-toothed, 1 or 2 inches in diameter, exceeding the petioles: pedicels shorter than the leaves, 1-flowered: calyx-lobes hispid, oblong-ovate, acute, 4 lines long; corolla 2 inches long, rose-color and white, funnelform with a rather broad tube, the stamens and style two-thirds as long: capsule depressed-globose to ovate, 4 lines long, 3-celled. — In sandy places about San Luis Potosi (621 Schaffner); peculiar in its round-cordate sinuately toothed leaves.

*IPOMŒA* —? In sandy places about San Luis Potosi (620 Schaffner); not identified. A slender twining annual, 2 feet high, glabrous or slightly puberulent: leaves 9 to 18 lines long, broad-cordate to narrowly lanceolate, acuminate, often obscurely sinuate, the short basal lobes rounded or angled; peduncles about equalling the petioles and shorter than the leaves, 1-2-flowered: sepals lanceolate becoming oblong-ovate and obtuse or acute, 2 lines long; corolla 9 lines long, narrowly funnelform, purple above: capsule broadly ovate, 3 lines long, 2-celled.

*CONVOLVULUS INCANUS*, Vahl. At Monterey, Nuevo Leon (911), and about San Luis Potosi (618 Schaffner); 629 Parry & Palmer.

*EVLVULUS DISCOLOR*, Benth. At Lerios in the high mountains east of Saltillo, Coahuila (912). Scarcely more than a very villous form of the next.

*EVLVULUS SERICEUS*, Swartz. At Sutherland Springs, Texas (913, 914), and near San Luis Potosi (615<sup>b</sup> Schaffner); 628½ Parry & Palmer.

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cm

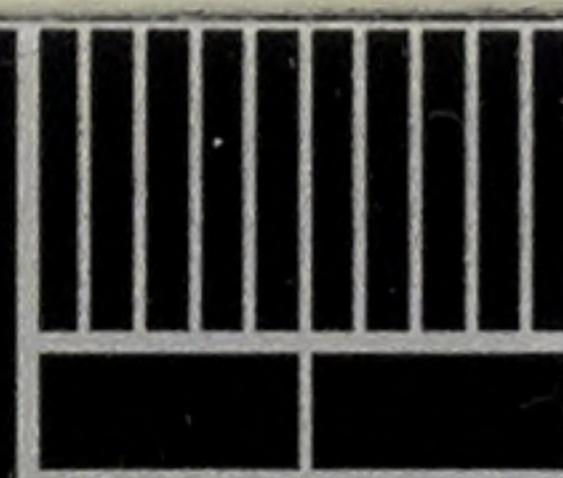
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Specimens

1. Sp. authent. Humb. leg. Nov. Granada  
in Hb. n. g. Berlin
2. Santa Fe di Bogota, Nov. Granada  
Goudot leg. in Hb. Mus. Paris
4. Peru, Claude Gay in Hb. Mus. Paris
3. Larescaja, Bolivia, in hedges, N 4518  
7000 - 9000' high Weddell leg.
5. Cuzco, Peru, Weddell leg. N 4768  
Mus. Paris



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

49

Case p. 487

4571

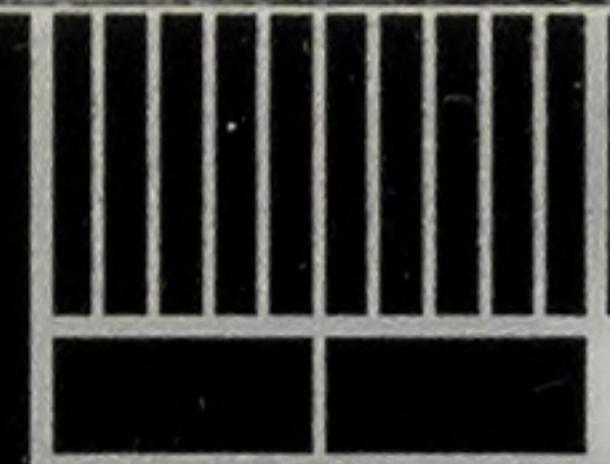
*C. grandiflora* H. S. K.

1.2

230

MISSOURI BOTANICAL GARDEN  
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Enclosed 212-215)



0 1 2 3 4 5 6 7 8 9 10  
cm

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